

In the Claims:

1. (Currently amended) A method for analysis of ~~a handwriting sample~~ DNA data, comprising the steps of:

generating a DNA source image based on the DNA data;

creating from the DNA source image a digital bit-map of ~~said handwriting sample~~ plotting image density data against a two-dimensional coordinate system defined by an x-axis and a y-axis, where the digital bit-map represents the DNA source image from an initial viewpoint with respect to the two-dimensional coordinate system;

~~marking at least first and second points on said bit-map which correspond to selected locations on said handwriting sample; and~~

generating an image model based on the digital bit-map, where the image model comprises model data representing the image intensity data as virtual points on a z-axis of a three dimensional coordinate system further incorporating the x-axis and the y-axis of the two dimensional coordinate system of the digital bit-map;

~~comparing said at least first and second points on said bit-map so as to obtain a selected measurement of said handwriting sample~~

generating a DNA analysis image based on the image model, where the DNA analysis image represents the model data from an analysis viewpoint with respect to the two-dimensional coordinate system, where the analysis viewpoint differs from the initial viewpoint; and

displaying the DNA analysis image.

Please cancel claims 2-9.

10. (New) The method of claim 1, wherein the step of displaying the DNA analysis image comprises the step of moving the analysis viewpoint with respect to the two-dimensional coordinate system.

11. (New) The method of claim 1, wherein the step of generating the DNA analysis image comprises the step of generating analysis intensity data for each of the virtual points defined by the image model based on the image intensity data.
12. (New) The method of claim 1, wherein the step of generating the DNA source image comprises the step of generating an autorad based on an RFLP analysis.
13. (New) The method of claim 12, further comprising the step of visualizing dark bands in the autorad by analyzing the DNA analysis image.